

TM

CR1

*FIGURE I*

TM

CR1

pUA

## Sequences

*FIGURE 2*

1 ATGGCCAACTGACCTGACGAAAATGGACGCCATGGAAATTGGCGGACCGGACAGTACCGCTCTGGAAAGGAGCTTCGGCG  
 2 M A N K L R K S N A I E W A T A T G T V P L L S R S C H S  
 3 GACCAACGGGAACTGGCAGGCGGCGAAGCGAAACCCGATACGAAAGCGGCTCGTGGCGGACGCTGACGGAACTGGCG  
 4 Y P D A K L E P Q A S K T S E R E Q A P I L E R H S C 2 6 3 4 6 TM  
 5 CTCATCATGCCGGAACTGGCTATGGCTGGCTGGCGGCTGGCGGCGGCTGGCGGCTGGCGGCTGGCGGCTGGCGGCG  
 6 C G D A I G S I U G L A Q V T E K G R A H A P L \* F E E S D T  
 7 CGGACGGCGCTGGAAACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG  
 8 G R A E N E P A V T E [REDACTED]  
 9 CR1:W->A  
 10 CR1:W->A  
 11 ACCGATGTAGCCCTGGATGTTGGCGGAAATGGCGGAAACGGCGGACATGGAAACATGGCGGCTGGCGGCGGCGGCG  
 12 T G V A L E D V P Y D N E B E E X B R K H V A A L E T G R T S  
 13 T A T T G C C T G A G G G T G A C C G A A A T G A C C G A C T A C G A T C G G C A G A A T G T G C T G G C C A C A A G  
 14 Y P L K C E E M E S H Y T T Y H P Q N V V A T A R F L S H K  
 15 AACAAATCTATACTCTCTCTCTACACCTGATGGCGGAATGGCGGCTGGCGGCTGGCGGCTGGCGGCTGGCG  
 16 K M L Y T S P Y T S S K : C R F R A I Q F V D C A C V I L B  
 17 GAGCATCAAATGGGACACCGCTGGCGGCTGGCGGCTGGCGGCTGGCGGCTGGCGGCTGGCGGCTGGCG  
 18 E K Q L E T T L A G T L S V T Q S A G K I G R I C 3 3 3 7 2  
 19 GAGCAATGGCGGCTGGCGGCTGGCGGCTGGCGGCTGGCGGCTGGCGGCTGGCGGCTGGCGGCTGGCG  
 20 E D C F D T D L D A C D Y T Z X D C L STOP } pUAS  
 21 Sequences

FIGURE 3

FIGURE 4

Sequence Range: 1 to 222

	10	20	30	40	50	60	70
Nog protein	MDSQCLVTTALMFLGLRIDQGCCGHTWIRAPSENPLVQLIEHPOPTKDKDNETLRLTYVGRDF						
SuperSog ?							
[ 71 ]					260	270	280
					iqvddagvile--EhqLeTTaqTlsV--yct		
					~~~~~v~~~v~ ^-^~^~-^~^~v~ ^~v~		
Nog protein					VOLIEHPOPTKDKDNETLRLTYVGRDF		
	90	100	110	120	130	140	150
Nog protein	ILPPEPLGVEDLGEDILLRQKPSGAMPAAEKGLEFPGLOSKRPLSLGKAKRKEQMWLNSQTCFVLYTWNDL						
SuperSog ?							
[ 71 ]		300	310	320	plus vector		
	~~~~~RvplEDLcEgtLLLw>						
Nog protein	ILPPEPLGVEDLGEDILLR						
	170	180	190	200	210	220	
Nog protein	RWKKVGSCYSKESCSVPEGMVKPAKSMELTLRWRCQPRVQQKCWTTIQYFVISECKCSC						

FIGURE 5

FIGURE 6